IN THE CLAIMS:

1. (Currently Amended) An organic semiconductor device using an organic thin film transistor comprising:

a first electrode formed in contact with an insulated surface,

a first insulated film formed in contact with the first electrode,

a second insulated film formed in contact with the first insulated film, having an opening part at a position superimposed on the first electrode,

an organic semiconductor film formed in the opening part, and a second electrode and a third electrode formed in contact with the organic semiconductor film,

wherein a top surface the organic semiconductor film and is in alignment with a top surface of the second insulated film form the same surface.

2. (Currently Amended) [[A]] <u>The organic semiconductor</u> device according to claim 1, wherein the organic semiconductor film is made of a soluble organic semiconductor material.

3. (Cancelled).

- 4. (Currently Amended) [[A]] <u>The organic semiconductor</u> device according to claim 1, wherein the second electrode and the third electrode are made of the same metal having a large work function.
- 5. (Currently Amended) [[A]] <u>The organic semiconductor</u> device according to claim 4, wherein the second electrode and the third electrode comprise a metal selected from the group consisting of gold, platinum, chromium, palladium, aluminum, indium, molybdenum and nickel.

6. (Currently Amended) [[A]] The organic semiconductor device according to claim 1, wherein the organic semiconductor device is incorporated into one selected from the group consisting of a display device, a digital still camera, a laptop personal computer, a mobile computer, a portable image reproducing device comprising a recording medium, a goggle type display, a video camera and a portable phone.

7. (Currently Amended) An organic semiconductor device using an organic thin film transistor comprising:

a first electrode formed in contact with an insulated surface,

a first insulated film formed in contact with the first electrode,

a second insulated film formed in contact with the first insulated film, having an opening part at a position superimposed on the first electrode,

an organic semiconductor film formed in the opening part, and

a second electrode and a third electrode formed in contact with the organic semiconductor film and the second insulating film,

wherein a top surface of the organic semiconductor film is in alignment with that of the second insulated film,

wherein the second electrode and the third electrode are formed without contact with each other.

- 8. (Currently Amended) [[A]] <u>The organic semiconductor</u> device according to claim 7, wherein the organic semiconductor film is made of a soluble organic semiconductor material.
 - 9. (Cancelled).

- 10. (Currently Amended) [[A]] <u>The organic semiconductor</u> device according to claim 7, wherein the second electrode and the third electrode are made of the same metal having a large work function.
- 11. (Currently Amended) [[A]] The organic semiconductor device according to claim 10, wherein the second electrode and the third electrode comprise a metal selected from the group consisting of gold, platinum, chromium, palladium, aluminum, indium, molybdenum and nickel.
- 12. (Currently Amended) [[A]] The organic semiconductor device according to claim 7, wherein the organic semiconductor device is incorporated into one selected from the group consisting of a display device, a digital still camera, a laptop personal computer, a mobile computer, a portable image reproducing device comprising a recording medium, a goggle type display, a video camera and a portable phone.
- 13. (Currently Amended) An organic semiconductor device using an organic thin film transistor comprising:
 - a first electrode formed in contact with an insulated surface,
 - a first insulated film formed in contact with the first electrode,
- a second insulated film formed in contact with the first insulated film, having an opening part at a position superimposed on the first electrode,

an organic semiconductor film formed in the opening part, and

a second electrode and a third electrode formed in contact with the organic semiconductor film,

wherein a top surface of the organic semiconductor film is in alignment with that of the second insulated film,

wherein the second insulated film has a tapered rim.

14. (Currently Amended) [[A]] The organic semiconductor device according to

claim 13, wherein the organic semiconductor film is made of a soluble organic semiconductor

material.

15. (Cancelled).

16. (Currently Amended) [[A]] The organic semiconductor device according to

claim 13, wherein the second electrode and the third electrode are made of the same metal

having a large work function.

17. (Currently Amended) [[A]] The organic semiconductor device according to

claim 15, wherein the second electrode and the third electrode comprise a metal selected from

the group consisting of gold. platinum, chromium, palladium, aluminum, indium,

molybdenum and nickel.

18. (Currently Amended) [[A]] The organic semiconductor device according to

claim 13, wherein the organic semiconductor device is incorporated into one selected from

the group consisting of a display device, a digital still camera, a laptop personal computer, a

mobile computer, a portable image reproducing device comprising a recording medium, a

goggle type display, a video camera and a portable phone.

19. (Currently Amended) An organic semiconductor device using an organic thin

film transistor comprising:

a first electrode formed in contact with an insulated surface,

a first insulated film formed in contact with the first electrode,

a second insulated film formed in contact with the first insulated film, having an

opening part at a position superimposed on the first electrode,

an organic semiconductor film formed in the opening part, and

a second electrode and a third electrode formed in contact with the organic

semiconductor film,

wherein a top surface of the organic semiconductor film is in alignment with that of

the second insulated film,

wherein the organic semiconductor film is formed in contact with the first insulated

film.

20. (Currently Amended) [[A]] The organic semiconductor device according to

claim 19, wherein the organic semiconductor film is made of a soluble organic semiconductor

material.

21. (Cancelled).

22. (Currently Amended) [[A]] The organic semiconductor device according to

claim 19, wherein the second electrode and the third electrode are made of the same metal

having a large work function.

23. (Currently Amended) [[A]] The organic semiconductor device according to

claim 22, wherein the second electrode and the third electrode comprise a metal selected from

the group consisting of gold, platinum, chromium, palladium, aluminum, indium,

molybdenum and nickel.

24. (Currently Amended) [[A]] The organic semiconductor device according to

claim 19, wherein the organic semiconductor device is incorporated into one selected from

the group consisting of a display device, a digital still camera, a laptop personal computer, a

mobile computer, a portable image reproducing device comprising a recording medium, a

goggle type display, a video camera and a portable phone

W637025.2

25. (Currently Amended) A semiconductor device comprising:

a gate electrode provided over a substrate;

a gate insulator comprising a first insulating film and a second insulating film, said

first insulating film provided over said gate electrode, said second insulating film provided

over said first insulating film, said second insulating film provided with an opening part at a

position superimposed over said gate electrode;

a channel region provided over said gate electrode with said gate insulator

therebetween, said channel region provided in an organic semiconductor film provided in

said opening part;

a source electrode and a drain electrode provided in contact with said organic

semiconductor film,

wherein a top surface of said organic semiconductor film and is in alignment with a

top surface of said second insulating film form a same surface.

26. (Currently Amended) [[A]] The organic semiconductor device according to

claim 25, wherein the source electrode and the drain electrode comprise a metal selected from

the group consisting of gold, platinum, chromium, palladium, aluminum, indium,

molybdenum and nickel.

27. (Currently Amended) [[A]] The organic semiconductor device according to

claim 25, wherein said semiconductor device is incorporated into one selected from the group

consisting of a display device, a digital still camera, a laptop personal computer, a mobile

computer, a portable image reproducing device comprising a recording medium, a goggle

type display, a video camera and a portable phone.

28. (Currently Amended) A semiconductor device comprising:

a gate electrode provided over a substrate;

a gate insulator comprising a first insulating film and a second insulating film, said first insulating film provided over said gate electrode, said second insulating film provided over said first insulating film, said second insulating film provided with an opening part at a position superimposed over said gate electrode;

a channel region provided over said gate electrode with said gate insulator therebetween, said channel region provided in an organic semiconductor film provided in said opening part;

a source electrode and a drain electrode provided in contact with said organic semiconductor film,

wherein a top surface of said organic semiconductor film is in alignment with a top surface of said second insulating film,

wherein a rim of said opening part is tapered.

- 29. (Currently Amended) [[A]] <u>The organic semiconductor</u> device according to claim 28, wherein the source electrode and the drain electrode comprise a metal selected from the group consisting of gold, platinum, chromium, palladium, aluminum, indium, molybdenum and nickel.
- 30. (Currently Amended) [[A]] The organic semiconductor device according to claim 28, wherein said semiconductor device is incorporated into one selected from the group consisting of a display device, a digital still camera, a laptop personal computer, a mobile computer, a portable image reproducing device comprising a recording medium, a goggle type display, a video camera and a portable phone.
 - 31. (Currently Amended) A semiconductor device comprising:

a gate electrode provided over a substrate;

a gate insulator comprising a first insulating film and a second insulating film, said first insulating film provided over said gate electrode, said second insulating film provided over said first insulating film said second insulating film provided with an opening part at a

position superimposed over said gate electrode;

a channel region provided over said gate electrode with said gate insulator

therebetween, said channel region provided in an organic semiconductor film provided in

said opening part;

a source electrode and a drain electrode provided in contact with said organic

semiconductor film,

wherein a top surface of said organic semiconductor film is in alignment with a top

surface of said second insulating film,

wherein said organic semiconductor film is provided in contact with said first

insulating film.

32. (Currently Amended) [[A]] The organic semiconductor device according to

claim 31, wherein the source electrode and the drain electrode comprise a metal selected from

the group consisting of gold, platinum, chromium, palladium, aluminum, indium,

molybdenum and nickel.

33. (Currently Amended) [[A]] The organic semiconductor device according to

claim 31, wherein said semiconductor device is incorporated into one selected from the group

consisting of a display device, a digital still camera, a laptop personal computer, a mobile

computer, a portable image reproducing device comprising a recording medium, a goggle

type display, a video camera and a portable phone.

W637025.2